

THE UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

ORIGINAL

FIELD NOTES

OF

THE DEPENDENT RESURVEY OF  
A PORTION OF THE SUBDIVISIONAL LINES

AND

THE SUBDIVISION OF SECTION 22,

IN

**TOWNSHIP 42 SOUTH, RANGE 13 WEST**

OF THE SALT LAKE MERIDIAN  
IN THE STATE OF UTAH

EXECUTED BY

*Ronald K. Baugh*  
*Supervisory Cadastral Surveyor*

Under special instructions dated **February 12, 2007**, approved **February 12, 2007**, which provided for the surveys included under Group Number **1043**, and assignment instructions dated **February 12, 2007** and reassignment instructions dated **July 20, 2007**.

Survey commenced **February 12, 2007**  
Survey completed **February 20, 2007**

# INDEX DIAGRAM

Township 42 South, Range 13 West

6	5	4	3	2	1
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## T. 42 S., R. 13 W., SALT LAKE MERIDIAN, UTAH

The following field notes are those of the dependent resurvey of a portion of the subdivisional lines and the subdivision of 22, in Township 42 South, Range 13 West, Salt Lake Meridian, Utah.

**History of Surveys**

Surveyed by		Retr. or Resurveyed by	
SOUTH BOUNDARY			
All	W. Jenkins & J. West	1897	
All			A.J. Stewart & L.A. Snow1909
EAST BOUNDARY			
Portion	T. Bailey & J. Burrill	1877	
All	W. Jenkins & J. West	1897	W. Jenkins & J. West 1897
Portion			L.V. Judd 2000
WEST BOUNDARY (Second Guide Meridian West)			
All	J. Bausman	1870	
All			W. Jenkins & J. West 1897
Portion			M. Dalley 1899
All			C. Sylvester, et al. 1978-79
NORTH BOUNDARY			
Portion	T. Bailey & J. Burrill	1877	
All	W. Jenkins & J. West	1897	W. Jenkins & J. West 1897
Portion			A.J. Stewart & L. Snow 1909
Portion			C. Sylvester, et al. 1978-79
Portion			L.V. Judd 2000
SUBDIVISION			
Portion	T. Bailey & J. Burrill	1877	
Portion	W. Jenkins & J. West	1897	W. Jenkins & J. West 1897
Portion	A.J. Stewart & L. Snow	1909	A.J. Stewart & L. Snow 1909
Portion			L.V. Judd 2000

**HISTORY OF LOCAL SURVEYS**

Alpha Engineering of St. George, Utah performed an annexation survey for Hurricane City in 2006. A copy of the annexation plat was obtained from Alpha Engineering.

Ballard & Campbell Surveying performed a survey in section 22 for Stratton gravel pit that was never recorded. A sketch map was obtained from Ferel Campbell.

The Washington County Surveyor surveyed the north and west lines of section 22 and recorded area reference plats for sections 15 and 21 in July 1978.

## T. 42 S., R. 13 W., SALT LAKE MERIDIAN, UTAH

This survey was executed in accordance with the specifications set forth in the Manual of Surveying Instructions, 1973, and the Special Instructions for Group No. 1043, dated February 12, 2007.

The direction of the lines was determined by references to true meridians, established by Global Positioning System (GPS) utilizing Real-Time Kinematic (RTK) techniques throughout the survey. The positional accuracy of this survey complies with the *Standards and Guidelines for Cadastral Surveys Using GPS Methods*, dated May 9, 2001, Version 1.0. Trimble model 5700 GPS receivers were used for field collection. Cadastral Measurement Management (CMM) software was the primary software utilized for project calculations.

Preliminary to the resurvey, the lines of the prior surveys were retraced and search was made for all corners and their calls of record. Identified corners were remonumented in their original positions. Lost corners were reestablished and remonumented at proportionate positions based on the official record. The retracement data was thoroughly verified and only the true line field notes are given herein.

Geodetic control was derived from GPS static observations, post processed by National Geodetic Survey, Online Positioning User Service (OPUS), utilizing Continuously Operating Reference Stations (CORS); AMS WT FACILITY, ECHO\_BRGN\_NV1999, and FREDONIA. The geographic position of the corner sections 22, 23, 26, and 27, T. 42 S., R. 13 W., as determined by direct RTK methods from the National Geodetic Survey OPUS solution, is as follows:

Latitude: 37°06'43.983" N. Longitude: 113°17'30.438" W.  
N.A.D. 83, Network Accuracy = 0.200 meter at 95% confidence

DEPENDENT RESURVEY OF A PORTION OF THE SUBDIVISIONAL LINES,  
T. 42 S., R. 13 W., SALT LAKE MERIDIAN, UTAH

CHAINS

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Dependent Resurvey of a Portion of the Subdivisional Lines,  
T. 42 S., R. 13 W., Salt Lake Meridian, Utah.

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Reestablishment of the Survey Executed by  
W. Jenkins & J. West in 1897 and the Resurvey  
Executed by A.J. Stewart & L.A. Snow in 1909

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Beginning at the corner of sections 22, 23, 26, and 27,  
monumented with an iron post, 2 inches diameter, firmly set in  
a mound of stone 3 ft. base to top of brass cap marked as  
described in the official record of the 1909 resurvey and  
witnessed with a mound of stone, 3 ft. base, 3 ft. high, west  
of corner.

N. 0°02.2' W., between sections 22 and 23.

40.041 The 1/4 section corner of sections 22 and 23, monumented with  
a trachyte stone 20x12x9 inches, firmly set, plainly marked  
with 1/4 on west face, and witnessed with a mound of stone  
3 ft. base, 3 ft. high, west of corner.

At the corner point

Set an aluminum post, 30 inches long, 2 1/2 inches diameter,  
10 inches in the ground, to solid rock, in a mound of stone,  
3 ft. base to top of aluminum cap marked:

T42S R13W  
1/4  
S22 | S23  
2007

Deposit a magnet enclosed in an orange plastic case at the  
base of the aluminum post.

Set a steel fence post alongside the aluminum post.

Corner is located on a gentle east slope.

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Reestablishment of the Survey Executed by  
A.J. Stewart & L.A. Snow in 1909

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From the corner of sections 22, 23, 26, and 27.

N. 89°28.7' W., between sections 22 and 27.

DEPENDENT RESURVEY OF A PORTION OF THE SUBDIVISIONAL LINES,  
T. 42 S., R. 13 W., SALT LAKE MERIDIAN, UTAH

CHAINS

- 40.413 The 1/4 section corner of sections 22 and 27, monumented with an iron post, 1 inch diameter, firmly set, projecting 14 inches above ground, with the brass cap incorrectly marked with sections in reverse order, and witnessed with a mound of stone, 3 ft. base, 3 ft. high, north of corner. Remark the cap to read:

T42S R13W  
S22  
1/4—  
S27  
2007

Corner is located on west slope approximately 60 ft. east of top of sheer cliff bearing north and south.

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Reestablishment of the Survey Executed by  
W. Jenkins & J. West in 1897 and the Resurvey  
Executed by A.J. Stewart & L.A. Snow in 1909

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S. 89°59.8' W., beginning new measurement.

- 19.856 The W 1/16 section corner of sections 22 and 27, monumented with a PK nail and washer in a boulder, 8 ft. x 6 ft. x 4 ft., set by Pratt Precision Engineering.

This monument is accepted as a careful and faithful determination of the W 1/16 section corner position.

At the corner point

Set a 3/4 inch diameter rebar, 8 inches long, into a drill hole, with attached 3 1/4 inch diameter aluminum cap marked:

S22  
W 1/16—  
S27  
2007

Corner is located on a large boulder.

- 39.712 The corner of sections 21, 22, 27, and 28, monumented with an iron post, 2 inches diameter, firmly set in corner of fences extending south and S. 60° W., with the brass cap marked as described in the official record of the 1909 resurvey.

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N. 0°06.7' W., between sections 21 and 22.

- 19.956 The S 1/16 section corner of sections 21 and 22, monumented with a 5/8 inch diameter rebar, with a plastic cap attached, marked B&C LS 4492, in a collar of stone.

DEPENDENT RESURVEY OF A PORTION OF THE SUBDIVISIONAL LINES,  
T. 42 S., R. 13 W., SALT LAKE MERIDIAN, UTAH

CHAINS

This monument is accepted as a careful and faithful determination of the S 1/16 section corner position, not remonumented.

Corner is located on east side of a private driveway.

- 39.912 The 1/4 section corner of sections 21 and 22, monumented with an iron post, 1 inch diameter, firmly set, projecting 18 inches above ground, with the brass cap marked as described in the official record of the 1909 resurvey.

A power pole bears S. 40° E., 2.5 ft. distance.

Corner is located on the west of side of a scattered junk pile.

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The witness 1/4 section corner of sections 15 and 22, monumented with an iron post, 1 inch diameter, loosely set, in a mound of stone, 3 ft. base, 3 ft. high, with the brass cap marked as described in the official record of the 1909 resurvey. Reset the iron post in place.

A steel fence post is alongside the iron post.

Corner is located at top of sheer cliffs bearing north and south.

S. 89°59.0' W., between sections 15 and 22.

- 1.319 The true point for the 1/4 section corner of sections 15 and 22, determined at proportionate distance, corner is located on sheer cliffs and is not suitable for monumentation.

- 21.311 The W 1/16 section corner of sections 15 and 22 monumented with a 5/8 inch diameter rebar, with no attached cap.

This monument is accepted as a careful and faithful determination of the W 1/16 section corner position.

At the corner point

Set an aluminum post, 30 inches long, 2 1/2 inches diameter, 26 inches in the ground, in a collar of stone, with aluminum cap marked:

S15  
W 1/16—  
S22  
2007

Deposit a magnet enclosed in an orange plastic case at the base of the aluminum post.

DEPENDENT RESURVEY OF A PORTION OF THE SUBDIVISIONAL LINES,  
T. 42 S., R. 13 W., SALT LAKE MERIDIAN, UTAH

CHAINS

Set a steel fence post alongside the aluminum post.

- 41.303** The corner of sections 15, 16, 21, and 22, monumented with a spindle and washer stamped SURVEY MARKER, set by Scott Woolsey of Alpha Engineering as stated on an affidavit dated February 27, 2007.

This monument is accepted as a careful and faithful determination of the section corner position, not remonumented.

Corner is located in asphalt road at the intersection of 3000 S. and 1100 W.

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The Subdivision of Section 22,  
T. 42 S., R. 13 W., Salt Lake Meridian, Utah.

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From the 1/4 section corner of sections 22 and 27.

N. 0°03.2' W., on the N - S centerline of section 22.

- 39.793** Point for the center 1/4 section corner, at intersection with the E - W centerline of section 22, corner is located on sheer cliffs and is not suitable for monumentation and therefore, not monumented.

- 79.940** The true point for the 1/4 section corner of sections 15 and 22.

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From the 1/4 section corner of sections 22 and 23.

N. 89°49.8' W., on the E - W centerline of section 22.

- 40.419** The point for the center 1/4 section corner of section 22.

- 60.293** Point for the center W 1/16 section corner of section 22.

Set an aluminum post, 30 inches long, 2 1/2 inches diameter, 28 inches in the ground, with aluminum cap marked:

W 1/16  
C — C  
S 22  
2007

Deposit a magnet enclosed in an orange plastic case at the base of the aluminum post.

Set a steel fence post alongside the aluminum post.



THE SUBDIVISION OF SECTION 22,  
T. 42 S., R. 13 W., SALT LAKE MERIDIAN, UTAH

CHAINS

Corner is located in a fence line extending east and west,  
11 ft. west of the end of the fence.

From this corner, a 5/8 inch diameter rebar, with a plastic  
cap attached, marked B&C LS 4492, bears S. 89°05.9' E., 16.6  
links distance. Based on conversations with Ferrel Campbell of  
Ballard and Campbell Surveying, this corner was established  
using an incorrect tie to the 1/4 section corner of sections  
22 and 27 and is not accepted.

80.167 The 1/4 section corner of sections 21 and 22.

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From the W 1/16 of sections 22 and 27.

N. 0°04.9' W., on the N - S centerline of the SW 1/4 of  
section 22.

39.852 The center W 1/16 section corner of section 22.

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From the center W 1/16 section corner of section 22.

N. 0°13.4' W., on the N - S centerline of the NW 1/4 of  
section 22.

40.082 The W 1/16 section corner of sections 15 and 22.

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

**FIELD ASSISTANTS**

Name	Capacity
C. Scott Bishop	Cadastral Surveyor

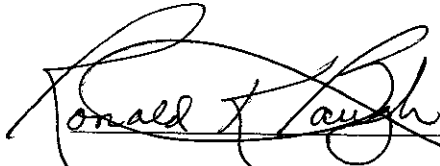
## CERTIFICATE OF SURVEY

I, **Ronald K. Baugh, Supervisory Cadastral Surveyor**, hereby certify upon honor that, in pursuance of special instructions bearing the date of the **12th day of February, 2007**, have executed a **dependent resurvey of a portion of the subdivisional lines and the subdivision of section 22, in Township 42 South, Range 13 West,**

of the **Salt Lake Meridian**, in the State of **Utah**, which are represented in the foregoing field notes as having been executed by me and under my direction; and that said survey has been made in strict conformity with said special instructions, the Manual of Instructions for the Survey of the Public Lands of the United States, and in specific manner described in the foregoing field notes.

Feb. 12, 2009

Date

  
(Supervisory Cadastral Surveyor)

## CERTIFICATE OF APPROVAL

BUREAU OF LAND MANAGEMENT  
Salt Lake City, Utah

The foregoing field notes of the **dependent resurvey of a portion of the subdivisional lines and the subdivision of section 22, in Township 42 South, Range 13 West, Salt Lake Meridian, Utah,**

executed by **Ronald K. Baugh, Supervisory Cadastral Surveyor**, having been critically examined and found correct, are hereby approved.

April 15, 2009

Date



(Chief Cadastral Surveyor for Utah)

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